



APPRENTICESHIP PROGRAM

Diesel Technology / Farm Equipment Mechanics and Service Technicians

PROGRAM OUTCOMES:

Provides students with the basic knowledge of all systems of diesel construction equipment, farm tractors and trucks, including air conditioning, computerized fuel systems, diesel engines, electrical systems, hydraulics and power trains.

PROGRAM LENGTH:

Years: 3
Diploma hours: 615
AAS hours: 875
A probationary period of 90 days

RELATED TECHNICAL INSTRUCTION (RTI):

Certificate(s), Diploma, AAS Degree

COURSE SPECIALIZATION:

- Diesel Agriculture & Construction
- Diesel On-Highway Truck
- Diesel Power Generation

ON-THE-JOB TRAINING (OJT) COMPETENCIES:

- Safely operate a forklift.
- Perform routine maintenance such as changing oil and testing batteries.
- Understand operations manuals and where to find the appropriate information needed for diagnosis/repairs.
- Rewire ignition systems, lights, and instrument panels.
- Troubleshoot fuel injection systems.



JOB FUNCTIONS:

- Safely operate overhead cranes, hoists or other moving or lifting equipment.
- Maintain and repair engines and engine components.
- Test mechanical equipment to ensure proper functioning.
- Proper inspection of equipment
- Reassemble machines and equipment after repair.
- Disassemble and overhaul engines, pumps, generators, transmissions, clutches, and differential units.

SKILLS:

Critical Thinking, Organization, Diagnostics, Electrical, Time Management, Teamwork, Problem Solving, Communication, Analytical

